

Why We Identify Insects!



Specimen # 1



Specimen # 2



Specimen # 3



Specimen # 4



Specimen # 5



Specimen # 6



Specimen # 7



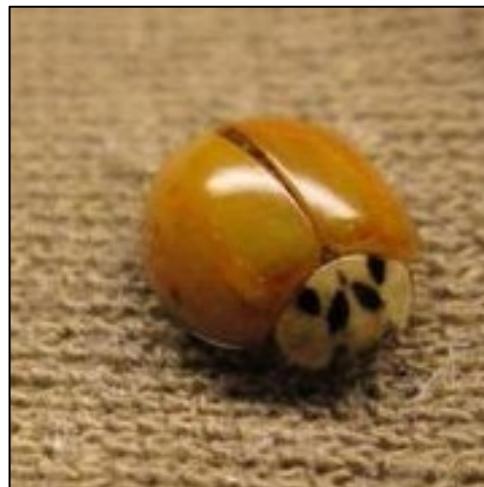
Specimen # 8



Specimen # 9



Specimen # 10



Specimen # 11

Family Chrysomelidae

- **Common name:** Leaf Beetles
- **Abundance:**
 - ~ 35,000 described species in > 2,100 genera
 - estimated 60,000 estimated species worldwide
- **Diet:** most adults and larval are herbivorous
- **Key characteristics:**
 - oval shaped
 - antenna shorter than body

Spotted Cucumber Beetle / Southern Corn Rootworm

- **Scientific name:** *Diabrotica undecimpunctata*
- Considered a major pest
- **Larvae:** worm-like, feed on roots of corn, beans, small grains and alfalfa
- **Adults:** feed on a variety of agriculturally important plants (corn, cucumbers, melons, soybean, squash)



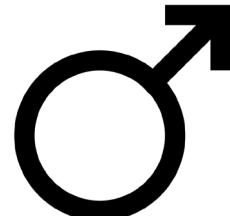
Bean Leaf Beetle

- **Scientific name:** *Cerotoma trifurcata*
- Considered a major pest
- Come in various colors
- **Larvae:** worm-like, feed on roots and nodules of bean plants
- **Adults:** feeds leaves and pods of bean plants



Western Corn Rootworm

- **Scientific name:** *Diabrotica virgifera*
- **Sexually dimorphic** – ♂ and ♀ look different
- Considered a major pest
- **Larvae:** worm-like, feed on roots of corn
- **Adults:** feed on the silks of corn preventing pollination



Striped Cucumber Beetle

- **Scientific name:** *Acalymma vittatum*
- Considered a major pest
- Vector of bacterial wilt
- **Larvae:** worm-like, feed on roots of cucurbits
- **Adults:** feeds on leaves, stems, flowers and fruits of cucurbits



Family Coccinellidae

- **Common name:** Lady Beetles
- **Abundance:**
 - ~ 6,000 described species in 370 genera
 - estimated 60,000 estimated species worldwide
- **Diet:** most adults and larval are predatory and feed on plant-feeding insects, BUR some are herbivorous
- **Key characteristics:**
 - Commonly yellow, orange, or red with black spots
 - Round or oval
 - Pronotum often conceals the head
 - **Antennae:** 8-11 segements; last 3-6 segments form a weak club

Mexican Bean Beetle

- **Scientific name:** *Epilachna varivestis*
- Considered a major pest
- **Larvae / Adults:** feed on leaves of bean plants



Multicolored Asian Lady Beetle

- **Scientific name:** *Harmonia axyridis*
- Coloration and spots widely vary
- Introduced as a biological control agent
- Considered beneficial
- **Larvae / Adults:** feed on plant-feeding insects



Pink Spotted Lady Beetle / Twelve-Spotted Lady Beetle

- **Scientific name:** *Coleomegilla maculata*
- Considered a beneficial
- **Larvae / Adults:** feed on plant feed insects



Seven-Spotted Lady Beetle

- **Scientific name:** *Coccinella septempunctata*
- Considered beneficial
- **Larvae / Adults:** feed on plant-feeding insects

